

Mineral Resources and Ore Reserves

BCI has a substantial Mineral Resource and Ore Reserves base across its portfolio of operating and development projects in the Pilbara region of Western Australia. The Company's Mineral Resources and Ore Reserves are summarised in the following tables and further details are provided below.

Mineral Resources

Project	Cut-off % Fe	Mt	Fe %	CaFe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
Iron Valley	50	189.9	58.0	62.5	5.5	3.3	0.17	7.2
Buckland	50	283.3	56.5	61.4	7.8	2.7	0.14	8.1
Total		473.2						

Ore Reserves

Project	Cut-off % Fe	Mt	Fe %	CaFe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
Iron Valley	54	89.0	58.3	63.0	5.0	3.1	0.18	7.5
Buckland	54	134.3	57.6	62.6	6.5	2.4	0.15	8.0
Total		223.3						

Iron Valley

Mineral Resource and Ore Reserve estimates for Iron Valley as at 30 June 2019 are set out below, with a comparison to 30 June 2018 figures. The estimates have been completed by MIN, the operator of the Iron Valley mine. Mineral Resources reduced by 7.9Mt accounting for mining depletion. Ore Reserves reduced by 6.4Mt during the year, due to mining depletion, updated iron ore price, exchange rate and cost assumptions.

Iron Valley Mineral Resource Estimate (100% BCI, subject to iron ore sale agreement with MIN)

Classification	Cut-off % Fe	Mt	Fe %	CaFe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
Measured – In-situ	50	81.8	57.8	62.7	5.2	3.2	0.19	7.9
Measured – Stockpile	50	4.6	56.4	59.9	8.1	3.7	0.14	5.9
Indicated – In-situ	50	77.4	58.5	63.0	5.1	3.2	0.17	7.2
Inferred – In-situ	50	26.1	57.8	61.3	6.6	3.9	0.14	5.6
Total as at 30-Jun-19	50	189.9	58.0	62.5	5.5	3.3	0.17	7.2
Total as at 30-Jun-18	50	197.8	58.1	62.6	5.4	3.3	0.17	7.2

Iron Valley Ore Reserve Estimate (100% BCI, subject to iron ore sale agreement with MIN)

Classification	Cut-off % Fe	Mt	Fe %	CaFe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
Proved – In-situ	54	52.3	58.3	63.2	4.7	3.1	0.19	7.8
Proved – Stockpiles	54	4.6	56.4	59.9	8.1	3.7	0.14	5.9
Probable – In-situ	54	32.2	58.6	63.2	5.0	3.1	0.16	7.2
Total as at 30-Jun-19	54	89.0	58.3	63.0	5.0	3.1	0.18	7.5
Total as at 30-Jun-18	54	95.4	58.4	63.1	5.0	3.1	0.18	7.4

Notes:

- Tonnages are dry metric tonnes and have been rounded. Small difference in totals may exist due to rounding.
- CaFe means "calcined Fe" and equals $Fe\% / (1 - LOI\%)$.
- Stockpiles have been converted to dry tonnes based on a 7% moisture content.
- Stockpiles include 1.1Mt of post-process lump and fines products and 3.5Mt of pre-process ore.

Buckland

Mineral Resource and Ore Reserve estimates for Buckland as at 30 June 2019 are set below, with a comparison to 30 June 2018 figures. There were no changes to the Mineral Resource and Ore Reserve estimates during the year.

Buckland Mineral Resource Estimate (100% BCI)

Deposit	Classification	Cut-off % Fe	Mt	Fe %	CaFe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
Bungaroo South Area	Measured	50	30.9	57.4	62.1	6.7	3.0	0.15	7.6
	Indicated	50	224.0	56.6	61.6	7.8	2.4	0.15	8.1
	Inferred	50	3.4	54.7	59.4	10.2	3.0	0.13	7.9
Regional Satellite Deposits	Indicated	50	11.1	55.4	59.5	8.8	4.0	0.11	6.9
	Inferred	50	13.8	54.8	59.9	7.8	4.2	0.11	8.6
Sub-total	Measured	50	30.9	57.4	62.1	6.7	3.0	0.15	7.6
	Indicated	50	235.1	56.5	61.5	7.9	2.5	0.14	8.1
	Inferred	50	17.2	54.8	59.8	8.3	4.0	0.11	8.4
Total as at 30-Jun-19		50	283.3	56.5	61.4	7.8	2.7	0.14	8.1
Total as at 30-Jun-18		50	283.3	56.5	61.4	7.8	2.7	0.14	8.1

Buckland Ore Reserve Estimate (100% BCI)

Deposit	Classification	Cut-off % Fe	Mt	Fe %	CaFe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
Bungaroo South Area	Proved	54	23.2	58.3	62.9	5.8	2.9	0.15	7.4
	Probable	54	106.7	57.5	62.6	6.6	2.3	0.15	8.1
Total as at 30-Jun-19		54	134.3	57.6	62.6	6.5	2.4	0.15	8.0
Total as at 30-Jun-18		54	134.3	57.6	62.6	6.5	2.4	0.15	8.0

Notes:

- Bungaroo South Area is Bungaroo South and Dragon. Regional Satellite Deposits are Rabbit, Rooster and Snake.
- Tonnages are dry metric tonnes and have been rounded. Small difference in totals may exist due to rounding.
- CaFe means "calcined Fe" and equals $Fe\% / (1 - LOI\%)$.

Mineral Resources and Ore Reserves Governance

BCI's Mineral Resources and Ore Reserves as at 30 June 2019 are reported in accordance with JORC (2012) guidelines.

In relation to Buckland, the Mineral Resource and Ore Reserve estimates are completed by or under the guidance of a suitably qualified BCI or independent Competent Person. The estimates are based on industry standard techniques and standard company practices for public reporting.

In relation to Iron Valley, the Mineral Resource and Ore Reserve estimates are completed by or under the guidance of a suitably qualified MIN or independent Competent Person. BCI is satisfied with the procedures MIN has advised it has in place for Mineral Resource and Ore Reserve estimation. Suitably qualified BCI personnel have also reviewed the documentation and are comfortable with the methodologies used by MIN.

The Mineral Resources and Ore Reserves statement included in the Annual Report is reviewed and approved by a suitably qualified BCI Competent Person prior to its inclusion.

Competent Persons Statements

The Mineral Resources and Ore Reserves statement in this report has been approved by Mr Paul Penna who is an employee of BCI Minerals Limited and a Member of the Australian Institute of Geoscientists. Mr Penna consents to the inclusion in this report of the Mineral Resources and Ore Reserves statement in the form and context in which it appears.

The information in this report that relates to the Mineral Resource estimate at Iron Valley is based on, and fairly represents, information which has been compiled by Mr Matthew Watson, who is a Member of the Australasian Institute of Mining and Metallurgy and a full time employee of Mineral Resources Limited. Mr Watson has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Watson consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.

The information in this report that relates to the Ore Reserve estimate at Iron Valley is based on, and fairly represents, information which has been compiled by Mr Ross Jaine, who is a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Mineral Resources Limited. Mr Jaine has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Jaine consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.

The information in this report that relates to the Mineral Resource estimates at Buckland is based on, and fairly represents, information which has been compiled by Mr Lynn Widenbar, who is a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Widenbar and Associates. Mr Widenbar has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Widenbar consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.

The information in this report that relates to the Ore Reserve estimate at Buckland is based on, and fairly represents, information which has been compiled by Mr Alan G. Cooper, who was a Member of the Australasian Institute of Mining and Metallurgy and was a full-time employee of Snowden Mining Industry Consultants Pty Ltd at the time the estimate was completed. Mr Cooper has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'.